

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Toshiaki NAGAI**

Serial Number: **Not Yet Assigned**

Filed: **August 27, 2003**

Customer No.: 23850

For: **MEASURING DEVICE**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

August 27, 2003

Sir:

In compliance with 37 CFR 1.56, Applicant calls to the attention of the Patent and Trademark Office the references listed on the attached PTO-1449.

A copy of each of the references, except for the U.S. references, is enclosed herewith.

In the event there are any fees due in connection with the filing of this paper, please charge
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Respectfully submitted,
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Enclosures: PTO-1449; References (9)

**INFORMATION
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STATEMENT
PTO-1449**

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Serial No. New Appln.

Applicant(s): Toshiaki NAGAI

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Group Art Unit:

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA 5,004,307	Kino et al.	04/02/91			
_____	AB 5,939,709	Ghislain et al.	08/17/99			
_____	AC					

OTHER DOCUMENTS

_____	AF	M. H. Kryder et al.; Journal of Applied Physics, Vol. 40, No.6, pp.2469-2474.
_____	AG	M. R. Freeman et al.; J. Appl. Phys. 79 (8), April 15, 1996.
_____	AH	Nonaka et al.; Semiconductor and Material Department Meeting of Electronic Society, 1983, p. 48.
_____	AI	Patent Abstracts of Japan, Pub. No. 05215828, dated Aug. 27, 93.
_____	AJ	Patent Abstracts of Japan, Pub. No. 06236586, dated Aug. 23, 94.
_____	AK	W.W. Clegg et al.; Journal of Magnetism and Magnetic Materials, Vol. 95, pp.49-57, 1991.
_____	AL	R.J.M. van de Veerdonk et al.; Journal of Magnetism and Magnetic Material, Vol. 235, pp.138-142, 2001.
_____	AM	H. Ohmori, Journal of Magnetic Society of Japan, Vol. 23, No. 12, pp.2111-2117, 1999.
_____	AN	E. Betzig et al.; Applied Physics Letters, Vol. 61, No. 2, July 1992.

Examiner

Date Considered

PRIOR ART INFORMATION LIST

Your case No.	
Our case No.	F1101P-US

Inventor, Patent Number, Country Author, Title, Name of Document	Issue Date	Concise Explanation of the Relevance (indication of page, column, line, figure of the relevant portion)
M. H. Kryder and F. B. Humphrey, "Dynamic Kerr Observations of High-Speed Flux Reversal and Relaxation Processes in Permalloy Thin Films", Journal of Applied Physics Volume 40, Number 6, pp. 2469-2474	May, 1969	
M.R. Freeman and J. F. Smyth "Picosecond time-resolved magnetization dynamics of thin-film heads" J. Appl. Phys. 79(8),	April 15, 1996	
Semiconductor and Material Department Meeting of Electronic Communication Society, 1983, p. 48, "Magnetized distribution measurement of micropermalloy patterns", Nonaka et al.	1983	
Japanese Patent Application Laid-open No. 5-215828	August. 27, 1993	
Japanese Patent Application Laid-open No. 6-236586	August. 23, 1994	
W.W. Clegg, N.A.E. Heyes, E.W. Hill, and C.D. Wright, "Development of a scanning laser microscope for magneto-optic studies of thin magnetic films", J. Magn. Magn. Mat., vol. 95, pp. 49-57, 1991	1991	
R.J.M. Veerdonk, Ganping Ju et al., "Real-time observation of sub-nanosecond magnetic switching in perpendicular multilayers" Journal of Magnetism and Magnetic Materials 235 (2001) p. 138-142	2001	
Journal of Magnetic Society of Japan, Vol. 23, No. 12, 1999, "Techniques for Analysis of Magnetic Recording Heads and Magnetoresistive Heads" Hiroyuki Ohmori	1999	
U.S. Patent No. 5,004,307	April 2, 1991	
U.S. Patent No. 5,939,709	August 17, 1999	
E. Betzig et al., "Near-field magneto-optics and high density data storage" Applied Physics Letters Vol. 61, No. 2	July 13, 1992	